

ABSTRACT OF THE DISCLOSURE

A composition of matter comprises a pathogen-targeting organic moiety which is conjugated to a radioisotope which has a half-life of less than 100 days. The composition can be synthesized by bringing together a radioisotope having a half life of less than 100 days with a greater than stoichiometric amount of a complexing agent so as to form a first mixture containing a reaction product between the radioisotope and the complexing agent; removing the excess complexing agent from the mixture; and bringing together the first reaction product and an antibody substance so as to form a second mixture containing a reaction product between the first reaction product and the antibody substance. The composition is deposited on a particulate substrate and is useful for treating infectious diseases caused by pathogens by passing the patients blood through a bed formed from the particles.